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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/729,854	
	Filing Date	12/05/2003	
	First Named Inventor	Junghoon Lee	
	Art Unit	1651	
	Examiner Name	Tonya Lee	
Total Number of Pages in This Submission		Attorney Docket Number	8102

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): - Return Postcard - Copy of Nonpatent References - Transmittal of IDS before First Office Action
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm	Reinhart Boerner Van Deuren s.c.		
Signature			
Printed Name	Antonia M. Holland		
Date	June 2, 2005	Reg. No.	53,840

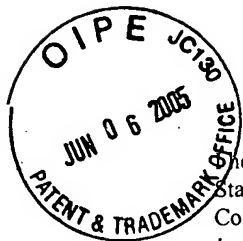
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Signature			
Typed or printed name	Antonia M. Holland	Date	June 2, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**MW/1203905**

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Reinhart Boerner Van Deuren s.c.

By: Antonia M. Holland  
Antonia M. Holland

Date: June 2, 2005

## PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

GROUP ART UNIT: 1651

EXAMINER: TONYA LEE

In re application of: Junghoon Lee, )  
et al. )

Application No: 10/729,854 )

Filed: December 5, 2003 )

Confirmation No.: 8310 )

Attorney Docket No. 8102 )

Customer No. 22922 )

For: MICRO/NANO-FABRICATED  
GLUCOSE SENSORS USING  
SINGLE-WALLED CARBON  
NANOTUBES

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

June 2, 2005

**TRANSMITTAL OF SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT  
WITHIN THREE MONTHS OF FILING OR BEFORE MAILING OF  
FIRST OFFICE ACTION (37 CFR 1.97(b))**

**NOTE:** "An information disclosure statement shall be considered by the Office if filed: (1) within three months of the filing date of a national application; (2) within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; or (3) before the mailing date of a first Office action on the merits, whichever event occurs last." 37 CFR 1.97(b).

**NOTE:** The "filing date of a national application" under 37 CFR 1.97(b) has two possible meanings. Where the filing is a direct one to the United States Patent & Trademark Office, the filing is defined in 37 CFR 1.53(b) as "the date on which: (1) A specification containing a description pursuant to § 1.71 and at least one claim pursuant to § 1.75; and (2) any drawing required by § 1.81(a), are filed in the Patent and Trademark Office in the name of the actual inventor or inventors as required by § 1.41." 37 CFR 1.97(b)(1). On the other hand, an international application that enters the national stage occurs when the applicant has filed the documents and fees required by 35 U.S.C. § 371(c) within the periods set forth in § 1.494 or § 1.495. 35 U.S.C. § 371(c) requires the filing of the following: (1) the national fee; (2) a copy of the international application, unless already sent by the International Bureau, and an English translation if filed in another language; (3) amendments under PCT Article 19, with a translation into English if made in another language; (4) an oath or declaration; and (5) a translation into English of any annexes to the International preliminary examination report, if such annexes were made in another language. 37 CFR 1.97(b)(2).

## IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 CFR 1.97(b).

**NOTE:** "No certification or fee is due when the filing is made within the above time period. It is advisable to ensure that no Office action has been mailed if the disclosure statement is delayed until after three months from filing.

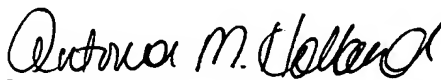
**NOTE:** "An information disclosure statement will be considered to have been filed on the day it was received in the Office, or on an earlier date of a mailing if accompanied by a properly executed certificate of mailing under 37 CFR 1.8, or Express Mail certificate under 37 CFR 1.10. An Office action is mailed on the date indicated in the Office action." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

**NOTE:** "The term 'national application' includes continuing applications (continuations, divisions, continuations-in-part) so three months will be measured from the actual filing date of an application as opposed [sic] to the effective date of a continuing application." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

**NOTE:** "An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims rather than just a restriction requirement (37 CFR 1.142) or just a requirement for additional fees to have a claim considered (37 CFR 1.16(d)). Thus, if an application was filed on Jan. 1 and the first Office action on the merits was not mailed until six months later on July 1, the examiner would be required to consider any proper information disclosure statement filed prior to July 1." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

**WARNING:** "A petition for suspension of action to allow applicant time to submit an information disclosure statement will be denied as failing to present good and sufficient reasons, since 37 CFR 1.97 provides adequate recourse for the timely submission of prior art for consideration by the examiner." Notice of July 6, 1992 (1141 O.G. 63).

Dated: June 2, 2005  
Reg. No. 53,840  
Tel. No.: (414) 298-8285



SIGNATURE OF ATTORNEY

Antonia M. Holland

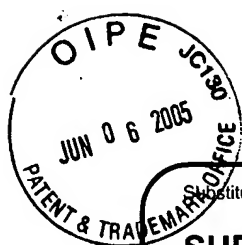
Reinhart Boerner Van Deuren, s.c.

1000 North Water Street, Suite 2100

Attn: Linda Gabriel-Kasulke, Docket Clerk

Milwaukee, WI 53202

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Substitute for form 1449B/PTO

**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	10/729,854
Filing Date	12/5/2003
First Named Inventor	Junghoon Lee
Art Unit	1651
Examiner Name	Tonya Lee
Attorney Docket Number	8102

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		YUEHE LIN, et al.; "Glucose Biosensors Based on Carbon Nanotube Nanoelectrode Ensembles", NANO LETTERS, February 2004, vol. 4, no. 2; pp. 191-195; Copyright 2004 by the American Chemical Society.	
		KOEN BESTEMAN, et al.; "Enzyme-Coated Carbon Nanotubes as Single-Molecule Biosensors", NANO LETTERS, 2003, vol. 3, no. 6; pp. 727-730; Copyright 2003 by the American Chemical Society.	
		COLLINS, PHILIP G., et al.; "Extreme Oxygen Sensitivity of Electronic Properties of Carbon Nanotubes", Northwestern University Library Database: MAS Ultra - School Edition, 03/10/2000, Vol. 287, Issue 5459, EBSCO HOST Research Database Website.	
		JING LI, et al.; "Carbon Nanotube Sensors for Gas and Organic Vapor Detection", NANO LETTERS, 2003, vol. 3, no. 7; pp. 929-933; Copyright 2003 by the American Chemical Society.	
		SHU PENG, et al.; "Toward Large Arrays of Multiplex Functionalized Carbon Nanotube Sensors for Highly Sensitive and Selective Molecular Detection", NANO LETTERS, 2003, vol. 3, no. 3; pp. 347-351; Copyright 2003 by the American Chemical Society.	
		KRUPKE, RALPH, et al.; "Separation of Metallic from Semiconducting Single-Walled Carbon Nanotubes", Northwestern University Library Database: MAS Ultra - School Edition, 07/18/2003, Vol. 301, Issue 5631, EBSCO HOST Research Database Website.	
		PAVEL NIKOLAEV, et al.; "Gas-Phase Catalytic Growth of Single-Walled Carbon Nanotubes from Carbon Monoxide", CHEMICAL PHYSICS LETTERS 313 (1999) 91-97, November 5, 1999; Copyright 1999 Elsevier Science B.V. al Society.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. MW1203912

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